Algebra 2 cp

Writing the equations of lines

***Write the equation of the line given the following information. Write the answers to the ODD problems in slope-intercept form, and the EVEN problems in point-slope form.***

1. passes through the points (4,3) and (2,-6)

2. passes through the point (5,4) with slope of -2

3. passes through the point (-5,-4) with the y-intercept of 4

4. passes through points (4,-6) and (-6,-6)

5. parallel to  through (0,-3)

6. perpendicular to  through the point (4,-4)

7. has slope of  and y-intercept of 2

8. parallel to and passes through the point (-4,-4)

9. has x-intercept of 2 and y-intercept of -3

10. perpendicular to and going through the point (-2,12)

11. passes through (1,4) with slope of 2

12. passes through (7,2) and (-5,4)

13. with slope of -2 and passing through the midpoint of the segment with endpoints (3,-2) and (7,4)

14. parallel to  through (-3,5)

15. perpendicular to  with y-intercept of -3.

16. passes through (1,1) and parallel to the line containing (3,4) and (5,8)

17. the x-intercept is -3 and the y-intercept is -4

18. parallel to  and contains (-1,1)

19. the y-intercept is -3 and perpendicular to 

20. through the midpoint of the segment connecting (0,2) and (-4,6) and perpendicular to that segment

21. contains (3,-8) and had an undefined slope

22. passes through (-2,6) with a zero slope

23. passes through (-6,5) and perpendicular to the y-axis

24. parallel to , through (4,-10)